

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 05516/056002		Application Number 09/635,116		
				Applicant(s) Sujian HUANG et al.				
				Filing Date 08/09/2000		Group Art Unit 2128		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
JZ	A1	SU 1691497 A1	11/15/1991	SOVIET UNION	E21B	10/16	✓	
JZ	A2	SU 1654515 A1	07/06/1991	SOVIET UNION	E21B	10/16	✓	
JZ	A3	SU 1461855 A1	02/28/1989	SOVIET UNION	E21B	10/16	✓	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
JZ	A4	Certification and Notarization dated 11/12/2003 from Universe Technical Translation						
JZ	A5	Translation of Description of Invention No. 933932 dated 06/07/1982 (2 pages)						
EXAMINER JH Z				DATE CONSIDERED 2/11/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

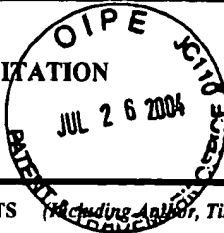
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 05516/056002	Application Number 09/635,116
		Applicant(s) Sujian HUANG et al.	
		Filing Date 08/09/2000	Group Art Unit 2128
EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
Jy	A6	Translation of Description of Invention No. 295857 dated 02/12/1971 (2 pages)	
Jy	A7	Translation of Description of Invention No. 398733 dated 09/27/1973 (2 pages)	
Jy	A8	Translation of Description of Invention No. 420749 dated 03/25/1974 (2 pages)	
Jy	A9	Translation of Description of Invention No. 229371 dated 10/23/1968 (1 page)	
Jy	A10	Translation of Description of Invention No. 436147 dated 07/15/1974 (2 pages)	
Jy	A11	Translation of Description of Invention No. 469801 dated 05/05/1975 (2 pages)	
Jy	A12	Translation of Description of Invention No. 515867 dated 05/30/1976 (2 pages)	
Jy	A13	Palashchenko et al.; "Study of Roller Cone Bits With Disk Ring Inserts"; Neftyanoye Khozyaystvo (Oil Industry), Issue 11, 1987 (4 pages)	
EXAMINER Jy		DATE CONSIDERED 7/1/04	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

PO88/REV04

SHEET 2 OF 2

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

05516/056002

Application Number

09/635,116

Applicant(s)

Sujian HUANG et al.

Filing Date

08/09/2000

Group Art Unit

2128

*EXAMINER
INITIAL

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Boris L. STEKLIANOV, "Increasing the Efficiency of Rock-Cutting Tools on the Basis of Comparative Analysis of the Kinetic Characteristics of Their Cutting Structure"; NDERI, 1990 (24 pages)

Robert L. McINTYRE, "Surface Mine Rotary Drilling", Smith-Gruner (3 pages)

RockBit International, "System Designed to Speed Continuous Coring Operation", (4 pages)

RockBit International, "If You've Ever Doubted RBI's Ability to Drill at a Lower Cost Per Foot...Ask the Folks Drilling This Well", (4 pages)

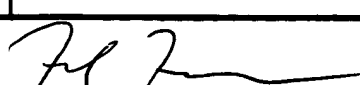
RockBit International, "The Leader in High-Speed Drill Bit Technology" (24 pages)

Sandvik Rock Bits, "Sandvik in the World of Oil and Gas" (8 pages)

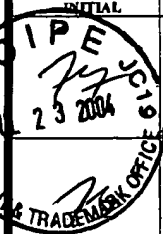
EXAMINER

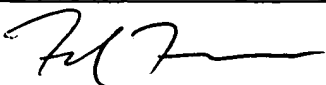
DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 05516/056002		Application Number 09/635,116		
				Applicant(s) Sujian HUANG et al.				
				Filing Date 08/09/2000		Group Art Unit 2128		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
70	A1	D. Ma, et al. "Dynamics of Roller Cone Bits", Journal of Energy Resources Technology, December 1985, Vol. 107 (pp. 543-548)						
70	A2	D. Ma, et al. "A New Way to Characterize the Gouging-Scraping Action of Roller Cone Bits", Society of Petroleum Engineers, 1989 (24 pgs.)						
EXAMINER				DATE CONSIDERED				
				11/4/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 05516/056002	Application Number 09/635,116
		Applicant(s) Sujian HUANG et al.	
		Filing Date 08/09/2000	Group Art Unit 2128

*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
	A3	Rudolf C.O. PESSIER, et al. "Rolling Cone Bits With Novel Gauge Cutting Structure" Drill Faster, More Efficiently, SPE 30473; 1995 (pp. 241-250)
72	A4	M. C. SHEPPARD, et al. "The Forces at the Teeth of a Drilling Rollercone bit: Theory and Experiement", SPE 18042; 1988 (pp. 253-260)
72	A5	"Longer Useful Lives for Roller Bits Cuts Sharply Into Drilling Costs" S.A. Mining & Engineering Journal, March 1979, (pp. 39-43)
72	A6	Johannes D. BRAKEL, "Prediction of Wellbore Trajectory Considering Bottom Hole Assembly and Drill Bit Dynamics", The University of Tulsa, (66 pages)
72	A7	R. K. DROPEK, et al. "A Study to Determine Roller Cone Cutter Offset Effects at Various Drilling Depths", ASME Vol. 78-Pet-23, (10 pages)
72	A8	Doodnath RAMSUNDER "Bit Deviation Forces Due to Rock-Bit Interaction" University of Tulsa, (66 pages)
72	A9	E. I. UMEZ-ERONINI, "Rotary Drill Bit/Rock Model With Cutter Offset" Journal of Energy Resources Technology, Vol. 105 September 1983 (3 pages)
74	A10	D. MA, et al. "Kinematics of the Cone Bit" SPE 10563; June 1985 (30 pages)

EXAMINER 	DATE CONSIDERED 11/4/84
--	-----------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.